



## PATENT APPLICATION

ATTORNEY DOCKET  
NO. 66043

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Rodrigo F. Chuaqui et al.

Appln. No.: 09/743,825

Filed: July 23, 1999

Title: PB 39, A GENE DYSREGULATED  
IN PROSTATE CANCER, AND  
USES THEREOF

Group

Art Unit:

Examiner:

Honorable Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231CERTIFICATE OF MAILING

I hereby certify that this paper is  
being deposited with the United States Postal  
Service as first class mail in an envelope  
addressed to: Commissioner of Patents and  
Trademarks, Washington, D.C. 20231, on this  
date.

12/21/01   
Date Registration No. 30,562  
Attorney for Applicant(s)

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§1.97 and 1.98, Applicants and their  
undersigned attorney submit the following information in connection with the  
above-identified application.

The following United States Patents are listed in chronological order:

UNITED STATES PATENT DOCUMENTS

<u>Patent No.</u>	<u>Inventors</u>	<u>Issue Date</u>
5,330,892	Vogelstein et al.	July 19, 1994
5,380,645	Vogelstein	January 10, 1995
5,501,983	Lilja et al.	March 26, 1996
5,543,296	Sobol et al.	August 6, 1996

5,552,277	Nelson et al.	September 3, 1996
5,567,586	Croce	October 22, 1996
5,569,753	Wigler et al.	October 29, 1996
5,571,710	Barnett et al.	November 5, 1996
5,582,972	Lima et al.	December 10, 1996
5,591,582	Bos et al.	January 7, 1997
5,605,799	White et al.	February 25, 1997
5,614,372	Lilja et al.	March 25, 1997
5,622,829	King et al.	April 22, 1997
5,648,212	Albertson et al.	July 15, 1997
5,650,500	Raz et al.	July 22, 1997
5,658,730	McGill et al.	August 19, 1997
5,674,682	Croce et al.	October 7, 1997
5,763,202	Horoszewicz	June 9, 1998

SEARCH REPORTS

<u>Application No.</u>	<u>Country</u>	<u>Date of Search Report</u>
PCT/US 99/16831	PCT	November 17, 1999

FOREIGN PATENT DOCUMENTS

<u>Document No.</u>	<u>Country</u>	<u>Date of Publication/Patent</u>
WO 98/10098	WIPO	March 12, 1998
WO 98/21328	WIPO	May 22, 1998

OTHER REFERENCES

Phyllis A. Wingo et al., "Cancer Statistics, 1995," A Cancer Journal for Clinicians, Vol. 45, No. 1, January/ February 1995, pp.8-30.

Piotr Chomczynski et al., "Single-Step Method for RNA Isolation by Acid Guanidinium Thiocyanate-Phenol-Chloroform Extraction," Analytical Biochemistry, 162, pp. 156-59, 1987.

Michael R. Emmert-Buck et al., "Increased Gelatinase A (MMP-2) and Cathepsin B Activity in Invasive Tumor Regions of Human Colon Cancer Samples," American Journal of Pathology, Vol. 145, No. 6, pp. 1285-90, December 1994.

Zhengping Zhuang et al., "A Microdissection Technique for Archival DNA Analysis of Specific Cell Populations in Lesions < 1 mm in Size," American Journal of Pathology, Vol. 146, No. 3, pp. 620-25, March 1995.

Brad Stone et al., "Targeted RNA Fingerprinting: The Cloning of Differentially-Expressed cDNA Fragments Enriched for Members of the Zinc Finger Gene Family," Nucleic Acids Research, Vol. 22, No. 13, pp. 2612-18, 1994.

Rodrigo F. Chuaqui et al., "Identification of a Novel Transcript Up-Regulated in a Clinically Aggressive Prostate Carcinoma," Urology, Vol. 50, No. 2, pp. 302-307, 1997.

Michael R. Emmert-Buck et al., "Laser Capture Microdissection," Science, Vol. 274, 8 November 1996.

David G. Bostwick et al., "Molecular Biology of Prostatic Intraepithelial Neoplasia," The Prostate, Vol. 29, pp. 117-34, 1996.

Samuel C. Mok et al., "Molecular Cloning of Differentially Expressed Genes in Human Epithelial Ovarian Cancer," Gynecological Oncology, Vol. 52, pp. 247-52, 1994.

Olivier Kocher et al., "Identification of a Novel Gene, Selectively Up-Regulated in Human Carcinomas, Using the Differential Display Technique," Clinical Cancer Research, Vol. 1, pp. 1209-15, October 1995.

Mark A. Watson et al., "Isolation of Differentially Expressed Sequence Tags from Human Breast Cancer," Cancer Research, Vol. 54, pp. 4598-4602, September 1, 1994.

Peng Liang et al., "Differential Display and Cloning of Messenger RNAs from Human Breast Cancer versus Mammary Epithelial Cells," Cancer Research, Vol. 52, pp. 6966-68 (December 15, 1992).

Cole et al., "cDNA Sequencing and Analysis of *POV1 (PB39)*: a Novel Gene Up-regulated in Prostate Cancer", *Genomics*, Vol. 51, No. 2, July 1998 (1998-07), pages. 282-287, XP002120985, page 282, col. 1; Figures 1 and 2.

Wingo P. et al., "Cancer Statistics, 1995," *Cancer Journal for Clinicians*, Vol. 45: No. 1, pp. 8-30 (1995).

Epstein J. et al., "Prediction of Progression Following Radical Prostatectomy: a Multivariate Analysis of 721 Men with Long-Term Follow-up", *American Journal of Surgical Pathology*, Vol. 20, No. 1, pp. 286-292 (1996).

Kozak M., "Structural Features in Eukaryotic mRNAs That Modulate the Initiation of Translation," *The Journal of Biological Chemistry*, Vol. 266, No. 30, pp. 19867-19870 (1991).

Kawana et al., "Location of *KAL1* on the Short Arm of Human Chromosome 11 and Frequency of Allelic Loss in Advanced Human Prostate Cancer," *The Prostate*, Vol. 32, No. 3, pp. 205-213 (1997).

Pinkel, D. et al., "Fluorescence In Situ Hybridization with Human Chromosome-specific Libraries: Detection of the Trisomy 21 and Translocations of Chromosome 4," *Proceedings of the National Academy of Sciences of the United States of America*, Vol. 85, No. 23, pp. 9138-9142 (1988).

Hirai, M. et al., "A Method for Simultaneous Detection of Fluorescent G-bands and in Situ Hybridization Signals," *Cytogenetics and Cell Genetics*, Vol. 66, No. 3, pp. 149-151 (1994).

Dong, J.T. et al., *KAI1, a Metastasis Suppressor Gene for Prostate Cancer on Human Chromosome 11p11.2*, *Science*, Vol. 268, pp. 884-886 (1995).

Submitted herewith is Form PTO-1449 listing the above-identified patents and a copy of the patents.

Pursuant to 37 CFR §1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in

Appln. No. 09/743,825  
Filed July 23, 1999



PATENT  
APPLICATION

the statement is, or is considered to be, material to patentability as defined in  
37 CFR §1.56(b).

Respectfully submitted,

FITCH, EVEN, TABIN & FLANNERY

By \_\_\_\_\_

  
Richard A. Kaba  
Reg. No. 30,562

Date: 12/21/01

120 South LaSalle Street  
Suite 1600  
Chicago, Illinois 60603-3406  
Telephone: 312/577-7000